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ABSTRACT

The present invention details methods for the treatment of cancer. In particular, it concerns the induction of apoptosis in cancer cells following treatment with inhibitors of DNA repair in combination with p53 gene therapy. Treatment of glioblastoma and breast tumor cells with inhibitors of DNA repair induced growth suppression that was a result of p53-mediated apoptosis. Thus it appears that inhibitors of DNA repair in combination with-p53 gene therapy is involved in restoration of p53-mediated apoptosis.